



scala
500™

Headset Manual
version 1.1

- English
- Français
- Español
- Italiano
- Deutsch

 **CARDO**
CARDO SYSTEMS, INC.

TABLE OF CONTENTS

1. Introduction.....	2
Features.....	2
2. Safety.....	3
3. Package contents.....	5
4. Before using.....	6
4.1 Charging batteries.....	7
5. Getting started with the scala-500™ headset.....	8
5.1 Turn on/off.....	8
5.2 Pairing.....	8
5.3 Reconnecting headset to a paired phone.....	9
5.4 Wearing the headset.....	9
5.4.1 EAR-LOOP: Attaching the ear loop to the headset.....	9
5.4.2 EYE-GLASS CLIP: Attaching the eyeglass clip to the headset.....	9
5.4.3 Wearing the headset left or right.....	10
5.5 The Carry-Sleeve.....	10
6. Handling calls with the scala-500™ headset.....	11
6.1 Initiating calls.....	11
6.2 Voice dialing.....	11
6.3 Answering calls.....	11
6.4 Terminating calls.....	11
6.5 Volume control.....	11
6.6 Mute function.....	12
6.7 Transferring calls between headset and phone.....	12
6.8 Redial.....	12
6.9 Rejecting calls.....	12
7. Understanding the Light Indicators (LEDs) - and sound signals.....	13
8. FAQ's.....	14
9. Limited Warranty.....	16
10. Troubleshooting.....	18
11. Technical Specifications.....	19
12. FCC Notice.....	19
13. European CE Notice.....	20
14. Contact Information.....	20
15. Service.....	20
16. Patent, Trademark and Copyright Info.....	21
17. State Law Rights.....	21
18. Definitions.....	21

1. Introduction

Congratulations and thank you for purchasing the scala-500™, the most advanced and versatile Bluetooth™ powered wireless headset for mobile phones. You can now talk hands-free on your Bluetooth enabled mobile phone, made possible by the short-range wireless connection between your phone and the scala-500™ headset.

The small footprint and the exquisite appearance of the scala-500™ should not mislead as to its extraordinary sound quality performance, even under windy outdoor conditions. In addition to a plethora of high-end functions, this headset allows you to walk, jog, or bike in windy outdoor conditions and still conduct a clear conversation. Our WindGuard™ solution effectively filters the wind blowing into your microphone, making way for your voice to reach the other party, significantly clearer than usually found in headsets.

Irrespective of its outdoor qualities, the scala-500™ – not unlike mobile phones – is by no means waterproof, nor should it be used under wet or extremely humid conditions.

Enjoy!

You can also use the scala-500™ with a non-Bluetooth phone if you attach your cell phone to the CARDO BT Adapter (purchased separately).

Features

- No wires or software needed to connect your headset to your mobile phone. While using your headset you may be up to 30 feet

or 10 meters apart from your phone.

- The scala-500™ is the best performing BT headset under windy, outdoor conditions (*WindGuard™ pat.pend.*)

- Cardo's VersaClip™ offers you alternative ways to wear the headset: Eye/Sun-glass Clip or flexible Ear-Loop. Both can be worn on your left or right side.

- Lightweight and comfortable to use and wear. The scala-500™ weighs merely .58 oz. (~16.5 grams).

- High-capacity, rechargeable Lithium-Polymer battery provides extended talk time of up to 9 hours and in excess of one week of standby time.

- Universal Travel charger 110/240V 50/60Hz

- Supported Functions: Mute, Voice-Dialing, Redial, Call Reject, and Call Toggling between headset and phone

- Supporting *handsfree* and *headset* profiles

- Carry-Sleeve with neckband to wear the headset around the neck or clipped onto your belt

- Comfortable charging cradle attaches to universal DC Wall-Charger or optional car-charger (separately purchased)

- Calls can be answered and terminated from either the headset or from your mobile phone.

- Calls can be initiated from your mobile phone; audio will be heard on the headset*

- 2-year Limited Warranty.

* Some phones require that you press briefly CTRL to transfer the call

2. Important Safety Information

Please maintain basic safety precautions when using your headset. This will reduce the risks of fire, electric shock and injury to users. Among others, you should comply with the following recommendations:

1. Carefully read and understand the instructions in this manual.
2. Follow all instructions and warnings labeled and marked in this manual.
3. Use a damp cloth to clean the headset. DO NOT use liquid or aerosol cleaners.
4. Use caution when using your headset near water such as bathtubs, kitchen sinks or swimming pools.
5. Do not expose your headset to extreme temperature, moisture or high voltage.
6. Your headset is rugged, but can be damaged or broken if not handled with care.
7. Do not expose headset to liquids, nor place heavy objects on it.
8. Consider using your Carry-Sleeve to protect your headset when not worn.
9. Do not disassemble the product or any of its components for any reason, as this will void the warranty and may damage the electronic circuits. If assistance is needed, contact the store from which you have purchased the product, visit our website at **www.cardowireless.com** or contact us via e-mail at: **support@cardosystems.com**.

To reach us via phone, please call:
In the U.S.: Toll-free 1-800 488-0363
or 412 788-4533
in Europe: +4989 450 36-819

NOTE: Prior to contacting us, make sure you have a valid registration number available.

10. Discontinue the use of your headset if:
 - a. Your headset is damaged.
 - b. Liquid has been spilled on or into the headset.
 - c. Your headset has been dropped and the case has been damaged.
 - d. Your headset exhibits a distinct change in performance.
 - e. Your headset does not operate normally and adjusting the controls does not resolve the issue.
11. Disconnect your headset from the wall charger if:
 - a. Liquid has been spilled into the charger or headset.
 - c. The wall charger does not operate normally after following the operating instructions.
 - d. Your wall charger has been dropped and the case has been damaged.
 - e. The wall charger exhibits a change in performance.

Automobile Travel

Please be mindful that certain activities such as automobile travel require your complete attention and concentration.

Safety

Check the rules and regulations regarding the use of wireless headsets in the area where you drive and obey the laws at all times. Pull over to the side of the road and park before making or answering a call if driving

conditions require it. Do not initiate calls, perform pairing, linking or similar operations while driving. Most electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals that emanate from your wireless equipment.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of about six inches (16 cm) be maintained between a mobile phone or a headset and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

Hearing Aids

Some digital headsets may interfere with some hearing aids. In the event of such interference, you should consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device and/or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

3. Retail Package Contents

Your retail package contains the following items:

- Headset
- Ear-Loop
- Eye/Sunglass Clip
- Charging Cradle
- Wall Charger (*universal travel version*).
- Carry-Sleeve + Belt-Clip
- Neckband for Carry-Sleeve
- CD-Manual & Quick Guide
- Warranty + Registration Card

NOTE: Spanish, French, German, Italian and English versions of the Manual and Quick-Guide can be downloaded from our website at www.cardowireless.com/manuals.php. We may update online manuals from time to time and add versions in more languages.

scala-500™ Headset



Eye/Sunglass-Clip



Wall Charger



Neckband



Ear-Loop



Charging Cradle



Carry-Sleeve



Quick-Guide and multilingual Manual on mini-CD



4. Before Using

Read and familiarize yourself with all instructions, components and controls of your scala-500™ headset prior to first use.

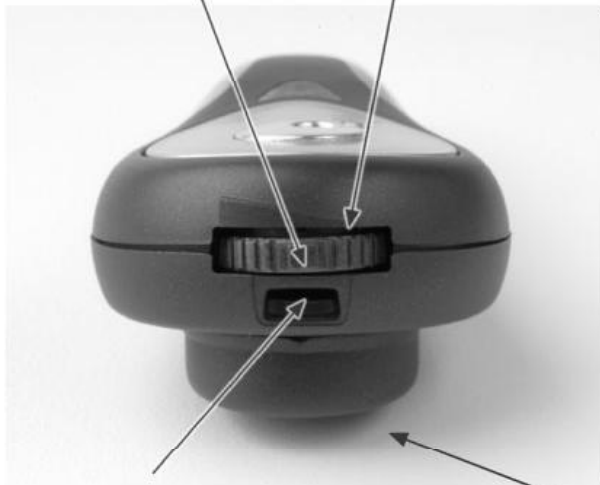
Detailed view of the Multi-Function Wheel (MFW)

Press wheel's center-point for ON/OFF, Pairing and MUTE

Turn wheel up or down for volume adjustment

CTRL (Control Button) – press on faceplate

- Accept/Initiate/Reject/End/Transfer calls
- Redial Function



Insert optional necklace-string

Multi-Function Wheel



Charging Cavity

Speaker (bottom view)



Charging Unit (bird's eye view)



Ear-Loop

Eye/Sunglass-Clip



For charging, place cavity over charging cradle, press headset downwards to secure it, and connect charging cradle to the wall-charger.

4.1 Charging the Battery

Make sure the headset is fully charged prior to initial use. Allow six hours for a full charge before using for the first time. Normally allow for approximately 2-3 hours to complete a full charge.

1. Place the scala-500™ into the Charging Cradle (FIG.1). Press the headset gently downwards to secure its position.

2. Plug the Wall Charger (or the optional car-charger) into the charging cradle and connect to an electrical outlet (FIG.2).

3. The Light Indicator (LED) on the scala-500™ will turn red when charging commences. Allow the headset to charge until the LED turns off.

4. Charging the headset does not change its status: If it is ON when charging commences, it will stay ON, i.e. the headset remains fully functional during charging, and vice-versa.

5. To release the headset from the charging cradle, press simultaneously the buttons located on opposite sides of the cradle (FIG 3).

Fig. 1



Fig. 2



Fig. 3



5. Getting Started with the scala-500™ Headset

5.1 On/Off

To turn ON, press and hold the Multi-Function Wheel (MFW) for at least 3 seconds until an ascending alert tone is heard (FIG 1). Release the button. If you have not completed pairing, and this is the first time you have turned ON the headset, the red and blue LED will flash rapidly alternately, indicating that the device has entered the pairing mode. If the headset is already paired, the blue LED will start flashing slowly (one flash every 3 seconds), indicating that the device is in standby mode (during a call, the blue LED will flash twice every 3 seconds).

Fig. 1



To turn OFF the headset, press and hold the MFW for at least 3 seconds until the red LED flashes three times and an alert tone is heard. Quickly release the button.

5.2 Pairing

Pairing is a required process in which the scala-500™ headset and your Bluetooth enabled mobile phone become acquainted with each other for the first time. At the end of this process both devices retain information

about each other, so that every time you turn one of them on, it will look for the other device and will be able to operate automatically with it. Pairing is required only the first time for a specific scala-500™ headset and a specific mobile phone. Please refer to the Pairing section of your mobile phone's manual prior to initiating the process.

NOTE: *If, after your devices are paired, you wish to use your headset with a different phone, you must pair the headset to the new phone.*

How to pair:

- Turn on the phone and make sure its Bluetooth function is activated.
- Make sure the headset is turned off.
- Press and hold the MFW. When the blue LED flashes, do not release the MFW button yet until the red and blue LEDs start flashing rapidly alternately.
- On your Bluetooth phone, search for Bluetooth devices by following your phone's instructions. Usually this is done by selecting the *Search* or *Discover* option in the Bluetooth or Connection menu. Refer to your phone's manual for detailed instructions on how to pair your specific phone.
- After a few seconds of searching, your phone will list the "scala-500" as a discovered device. Select it, and when asked, follow your phone's instructions to select the device.
- When prompted by your phone, enter 0000 (4 zeros) as your PIN or passkey.
- Your phone will confirm successful pairing.

NOTE: *If pairing is not completed within two minutes, the headset will return to standby mode (flashing blue every 3 seconds). To pair, re-start the process from the beginning.*

Congratulations! You have now successfully completed your Bluetooth pairing process and are able to use your scala-500™ headset in conjunction with your mobile phone. From now on, when using your headset, you will no longer need to pair the headset to the phone, since the two devices will remain paired until you delete that pairing from the phone.

5.3 Reconnecting the scala-500™ headset to a paired phone

Although you may have previously paired your Headset to your phone, each time you turn one of them off, some phones require that you re-establish the link. Reconnecting may also be necessary when your headset and phone have lost the radio signal because the distance between them has exceeded 30 feet or 10 meters, or major obstacles have come in the way. After you have turned on your headset and mobile phone, there are three methods to re-establish the link if needed:

- Assuming your mobile phone is voice activation capable, press briefly the headset's CTRL button to activate voice dial. A signal on your phone's screen will indicate that the link is re-established.
- Do nothing. Once a call is received, answer by pressing the CTRL button.
- With some mobile phones you should refer to your phone's menu and/or manual.

5.4 Wearing the Headset

The VersaClip™ provides you with the option to wear the headset around the ear or attached to your eye/sun-glasses (incl. right & left side).

5.4.1 Using the Ear-Loop

- Insert the pin of the ear loop into the holding duct on the back of the headset (FIG. 1).
- Determine the eventual height of the loop by adjusting the insertion depth of the pin into the holding duct. Select a depth, so that when wearing the headset, the speaker fits snugly into the opening of your ear canal.
- Push the ear loop away (FIG.2) to create an opening between loop and headset.
- Place the opened ear-loop around your ear and push the headset's speaker towards your ear to achieve a steady and comfortable grip.

Fig. 1



Fig. 2



5.4.2 Using the Eye/Sun-glass attachment

The optimal location to attach the Clip to the arm of your glasses is found when the headset's speaker fits snugly in your ear canal.



- Insert the clip's pin into the holding duct of the headset. (FIG. 3 + 4).
- Determine the height of the headset relative to the glasses by adjusting the insertion depth of the pin into the holding duct.

Fig. 3



Fig. 4



- Once the Clip is inserted and adjusted to your individual needs, press the Clip's wings to open the latch. Then attach the entire headset by sliding the open Clip from front to back along the arm of the Eye/Sunglasses (FIG. 5-6) until the speaker hovers above your ear canal. Then push the speaker gently towards the ear canal to achieve a comfortable fit.

Fig. 5



Fig. 6



- To release the headset from the eye-glasses, open the latch by pressing the wings (FIG. 7). Then pull the headset upward.



Fig. 7

Latch opens when wings are pressed

5.4.3 Wearing the headset on the left or right

You can wear the Headset on the left or the right side of your head by inserting the pin accordingly.

5.5 Carry-Sleeve

The Carry-Sleeve can be worn with the enclosed neckband (FIG. 8) or clipped onto your belt (FIG. 9).

Fig. 8



Fig. 9



NOTE:

The clip attached to the backside of the Sleeve (FIG. 10) swivels for adjustment. It serves as a means to attach to your belt (vertically or horizontally) or as a fastener to your shirt, if the headset is carried as shown in FIG. 8.

Fig. 10



6.0. Handling Calls

NOTE: Certain advanced features of the **scala-500™** are only accessible to phones equipped with the hands-free profile. Please check if your phone supports both the headset and the hands-free profile.

6.1 Initiating Calls using your phone's keypad

- Dial the desired phone number.
- Press "Talk" or "Send" on your phone to dial the number.

NOTE: Some phones do not transfer the call automatically to the headset when initiating the call by the phone's keypad. In this case press briefly CTRL or use the phone's keypad to transfer the call to the headset. Besides trial and error attempts, you may wish to visit our website to find out how best to configure your particular phone. (www.cardowireless.com).

6.2 Voice Dialing

To use voice activation (if available), you must first assign voice tags to the desired parties listed as your contacts in your mobile phone (if you are not familiar with this procedure, please refer to the manual of your mobile phone). To improve voice tag recognition, use the headset to record voice tags on your phone (if available).

While your phone is ON but no call is in progress, press briefly the CTRL button, followed by a sound. Now pronounce the name of the party you wish to call and wait for feedback from the phone. The type of feedback depends on your phone.

NOTE: After activating the Voice-Dialing command, you may always cancel the command by simply tapping CTRL once.

6.3 Answering Calls:

When you hear the ring tone either on the headset or on the phone, tap briefly CTRL.


NOTE: With some mobile phone models the connection might be slightly delayed. In such case, wait several seconds after pressing CTRL until you hear a sound on the headset. Pressing CTRL again too soon, might disconnect the call.

6.4 Terminating Calls

To terminate a call, press briefly the CTRL button, followed by a sound to confirm the termination. Wait at least three seconds before pressing the CTRL button again to place a new call. Alternatively, you may terminate a call by using the END key of your mobile phone. Doing so, will automatically terminate the audio connection. If the other party terminates the call, no further action on your part is required.

6.5 Volume Control

In addition to using the volume control of your mobile phone, there are two ways you may adjust the volume on your headset.

- To increase or decrease the volume gradually: Briefly turn the Multi-Function Wheel (MFW) to the up or down directions, indicated by the  icon. For each adjusting step, you will hear a beep until you have reached the maximum or minimum volume.
- To increase or decrease the volume rapidly: Move and **hold** the MFW to the *up* or *down* directions respectively. You will hear beeping as the volume increases or decreases until you have reached the maximum or minimum volume.

See page 15 regarding maximum volume.

6.6 Mute Function

While a call is in progress, press briefly the center square of the MFW (FIG. 2) to turn off the microphone and activate mute. To turn the microphone back on, tap the MFW button again. During mute, alert tones are being heard.

NOTE: *While on mute, you can hear the other side but the other side can't hear you.*

6.7 Transferring calls between headset and phone

FROM HEADSET TO PHONE:

While a call is in progress on your headset, press and hold CTRL for 3 seconds to transfer the call to the phone (FIG. 1).

FROM PHONE TO HEADSET:

While a call is in progress on your phone, press just briefly the CTRL button to transfer the call to the headset (FIG. 1).

6.8 Redial:

While not on a call, press and hold CTRL for three seconds to redial the last number (FIG. 1).

6.9 Call Reject:

While no call is in progress and you hear the ring tone, press and hold CTRL for three seconds to reject the call and stop the ringing (FIG. 1).

Fig. 1



Fig. 2



7.0 Understanding the Light Indicators (LEDs) and Sound Signals

LED Status	Status
Triple blue flash.	Headset is turned on
Triple red flash.	Headset is turned off
Single blue flash every 3 seconds	Headset is on standby
Double blue flash every 3 seconds	Headset is ON while call is being initiated or in progress
Rapid red-blue alternating flash	Headset is in PAIRING mode
Single red flash every 3 seconds	Headset is on standby and battery is low
Double red flash every 3 seconds	Headset is ON and either initiating a call or a call is in progress and battery is low
Steady red	Headset is charging
Steady red turned off	Headset charging is completed

Audio Feedback	Status
ascending tone	Headset is turned on
descending tone	Headset is turned off
Low bat beep	Headset is on standby and battery is low
Low bat beep	Headset is ON and either initiating a call or a call is in progress and battery is low
Double beep	Call in progress while mute is on

8. FAQs

What is the Cardo scala-500™ headset?

The scala-500™ wireless headset is a comfortable, stylish and easy to use accessory to a Bluetooth mobile phone or smart-PDA that enables you to hear and speak without holding your mobile phone near to your ear.

Do I need an Adapter if I already have a Bluetooth enabled cell phone?

No. Your scala-500™ communicates with virtually every Bluetooth phone.

How does the scala-500™ headset work?

Once the scala-500™ is "paired" to your Bluetooth enabled mobile phone, the two devices communicate wirelessly using Bluetooth™ technology.

If I want to keep my non-Bluetooth mobile phone, can I still use the scala-500™ with my mobile phone?

You can hold on to your non-BT mobile phone and still enjoy the benefits of the headset, if you use the scala-500™ Bluetooth Adapter (purchased separately). The BT Adapter plugs directly into the headset jack of most non-Bluetooth phones, thereby enabling the phone to communicate wirelessly with your headset.

Is it possible to pair my Bluetooth phone with more than one headset?

Yes, but not simultaneously. Once your scala-500™ headset is paired to one phone or BT Adapter, these two devices remain specifically connected. If you wish your headset to be paired to another phone, you need to perform pairing between the scala-500™ headset and that phone. Only then will your headset communicate with that particular mobile phone.

Is the battery removable?

The battery is not removable and you should never try to open the headset. Let only Authorized Service Centers maintain or service your device. Please refer to our website for instructions when your battery has reached the end of its useful life.

What if have trouble hearing the other party?

Try to increase volume by turning the MFW accordingly. You may also wish to try pushing the speaker slightly deeper into your ear-canal.

Do I need to turn my headset off or leave it on when it is recharging?

Either way is fine.

When I turn on my cell phone, do I need to pair or link my cell phone and headset again?

*Once your mobile phone and headset are paired, you will **not** have to pair it again, unless an unforeseen error has occurred. Generally, you will only need to implement the simple steps of reconnecting your phone and headset each time either or both are turned off or have moved more than approximately 30 feet (10 meters) apart from each other. Please refer to section 5.3 for further details.*

Will other Bluetooth phones interfere with my scala-500™ headset? Can they eavesdrop?

No. Once you are paired, your identity is known only to the mobile phone you use and no other Bluetooth phone can hear your audio signals.

Can the headset cause interference with my car radio?

No, the Bluetooth standard does not interfere with car radios.

Can Wi-Fi or other 2.4 MHz transmissions in the vicinity interfere with the scala-500™?

We have not encountered such events, but in general interference may occur with any Bluetooth headset, including the scala-500™.

Can I wear the scala-500™ in the rain?

Keep in mind that scala-500™ is not waterproof.

Will scala-500™ work with more than one Bluetooth phone?

Yes, your scala-500™ headset can be paired with several Bluetooth phones, but you can only work with one at a time.

What if I need more help?

*Please access our website at:
www.cardowireless.com*

IMPORTANT: To accommodate special outdoors needs, your headset has been equipped with the ability to increase the maximum volume far beyond the usual requirements. Therefore, if you push the volume to its full output, you are likely to also encounter some background disturbances. This is normal and must be taken into account in exchange for the extra volume.

9. Limited warranty

Your **scala-500™** headset is covered with a **One-Year** Limited product warranty from the date of original purchase. Please retain the retail sales receipt and your registration data for proof of purchase.

What this limited warranty covers and for how long

Cardo Systems, Inc. (the "Company" or "Cardo") warrants the scala-500™ headset and charger against defects in material and workmanship under normal use and service for a period of one (1) year from date of purchase (proof of purchase and registration required). The Company at its sole discretion, will at no charge either repair, replace or refund the purchase price of the product to the original purchaser during the warranty period, provided the product has not been damaged or tampered with and has been returned in accordance with the terms of this warranty to an authorized Company Repair Center. Repair, at the Company's option, may include the replacement of parts, boards or batteries with functionally equivalent reconditioned or new parts.

Warranty Conditions

This express limited warranty is extended by Cardo Systems, Inc. solely to the original purchaser and is not assignable or transferable to others. This is the complete warranty for your scala-500™ headset and charger. The Company assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of the Company. Batteries are warranted only if the battery capacity falls below 70% of rated capacity or if the battery develops leakage.

This warranty becomes void if:

- a. Any of the seals on the case or battery are broken or device or battery show signs of tampering.
- b. The battery is used in equipment other than the equipment for which it was intended.

The Company disclaims all responsibility for any equipment not furnished by Cardo Systems Inc., which is attached to or used in connection with the scala-500™ headset. Furthermore, the Company is not responsible for any damage to any part of the scala-500™ headset resulting from the use of ancillary equipment not furnished by the Company for use with the Product.

What this warranty does not cover

1. Defects or damage resulting from the use of this product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.
3. Defects caused by improper operation, maintenance, installation, adjustment or modification of any kind.
4. Products opened, disassembled or repaired by non-authorized parties.
5. Defects or damage due to exposure to excessive temperatures, adverse weather conditions, external impacts or spills of solid or liquid substances, incl. rain.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Warranty Service

To receive warranty service, your product must be registered. Fax the attached registration card to the numbers listed on the card, send it by certified mail or register online at:

<http://www.cardowireless.com/registration.php>

For services, please present the product, along with your registration number, bill of sale (receipt) at any authorized Service Center or at the store from which you have purchased the product. Returns to the Company pursuant to the limited warranty can only be accepted with a Return Authorization number obtained from Cardo's customer service department.

General Provisions

This warranty is given in lieu of all other express or implied warranties, including without limitation, implied warranties of merchantability and fitness for a particular purpose. Cardo's obligations under this section are limited to the duration of this limited warranty.

a. Certain limited-life components that are subject to normal wear and tear, such as eyeglass clips, ear loops, decorative finishes, batteries, panels, cradles, sleeves, neckbands or other accessories, are exempt from any warranty.

b. Cardo is not liable for any incidental or consequential damages arising from the use or misuse of any of the Company's products.

c. The user should never attempt to perform service, adjustments or repairs of the Product by him/herself. Doing so will void all warranties. During the term of the warranty, all products must be returned to the point of purchase or the authorized service center for all necessary work.

d. The Company is not responsible for any loss or damage incurred during shipping. All repair work on scala-500™ products by parties not explicitly authorized by the Company will void any and all warranties.

e. The information in this Manual is furnished strictly for informational purposes and is subject to change without notice. Cardo

assumes no liability or responsibility for any errors or inaccuracies that may appear in this Manual or the Quick Guide.

NOTE: *Look for appropriate displays to verify that you are being serviced by an Authorized Cardo Dealer or Service Center. Cardo Systems, Inc. retains the right to amend and change its products, manuals and specifications at any time without notice.*

10. Troubleshooting

Problem

Pairing fails

Action:

1. Delete scala-500™ from your paired device list in your phone (if it is listed).
2. Turn off the mobile phone and headset.
3. Take out the battery of the phone and put it back .
4. Repeat the pairing process as shown in section 5.2.

Problem

Can't answer phone calls or perform voice dialing

Action

(Assuming your mobile phone supports Voice Dialing)

1. Make sure your headset is turned ON and in standby mode while the blue light indicator flashes slowly.
2. Verify that the Bluetooth function on your phone is set to ON.
3. Verify that the scala-500™ is the correctly paired headset to your mobile phone (refer to the phone manual).
4. Link the headset to the phone as described above.
5. Check "Definitions" or "Settings" on your mobile phone.
6. Perform the pairing process and check again.

Problem

Battery does not provide at least five hours of talk time.

Action

1. Make sure your headset is fully charged. Charging time is up to 3 hours for an empty battery. When fully charged and charger is connected to headset, the red light indicator

turns off.

2. When not wearing the headset, make sure the CTRL button is not pressed.

NOTE: You may have compromised the batteries' capacity if you did not fully charge it prior to initial use.

Problem

Red LED does not light steady when charger is connected.

Action

1. Make sure the DC jack is firmly plugged in.
2. Disconnect the DC jack, wait a few seconds and plug it back in.
3. When the headset is fully charged, the red light turns off.

Problem

Bad sound quality

Action

1. Possibly caused by nearby interference
2. If you have a GSM phone and your headset is too close to the phone, interference may occur.
3. Headset and mobile phone are more than 30 ft. (10m) apart or there are major obstacles between headset and mobile phone (e.g. concrete walls or similar).

Problem

Sound deteriorates when the phone is in my back pocket.

Action

Some mobile phones emit weaker Bluetooth signals than others, resulting in reduced sound quality, especially when the phone is close to your body.

Suggestion: Place the phone into your breast pocket or at least into a front pocket on the same side you wear your headset.

Tech Specs and Regulations

11. Technical Specification

Technology	Compliant with Bluetooth™ ver 1.1 / 1.2
Maximum power	2.5 dbm
Maximum link distance	30 feet or 10 meters
Typical talk time	up to 9 hours
Typical standby time	up to one week
Typical charging time	Between 2 and 3 hours
Power Source	Rechargeable Lithium Polymer battery
Weight	.58 oz. or 16.5 g (without ear-loop or glass-clip).
Approvals	FCC Part 15, CE, Bluetooth™
Wind blocking	Up to 16km/h (10miles/h)

NOTE: Design and specifications are subject to change without notice. Your rated standby-time is subject to the amount of talk-time used.

12. FCC notice

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Use only approved batteries and chargers. This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation. Your scala-500™ headset is designed to operate at the maximum strength allowed by the FCC. This means that your headset and or base unit can communicate only over a certain distance subject on the location of the cell phone, base unit and headset, your vehicle, the construction and layout of your home or office. Weather conditions can also affect performance.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

ALERTE

Risque d'explosion si la batterie est remplacée par un model qui ne convient pas. Il faut traiter les batteries usées selon les instructions.

NOTE: *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

13. European CE Notice

Certification and Safety Approvals/ General Information, Regulations and Notices

This product is CE marked according to the provisions of the R & TTE Directive (99/5/EC). Hereby Cardo Systems, Inc. declares that this product is in compliance with the essential

requirements and other relevant provisions of Directive 1999/5/EC. Please note that this product uses radio frequency bands not harmonized within the European Union ("EU"). Within the EU this product is intended to be used in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, The United Kingdom and within EFTA in Iceland, Norway and Switzerland. Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by Cardo will void the users authority to operate the equipment.

14. Contact Information

Cardo Systems, Inc.,
100 High Tower Blvd.,
Pittsburgh, PA 15205 (USA)
North America: Call toll-free 1 800 488-0363
or 412 788-4533, Fax: 412 788-0270

European Contact:

Cardo Systems Europe, 1 Hohenlindenerstr.,
Munich 81677 (Germany)
Phone: +49 89 450 36-819
Fax: +49 89 404-817

15. Service

North America: Call toll-free
1 800 488-0363 or 412 788-4533
Europe: Call +49 89 450 36-819

Service is provided under limited warranty. Cardo Systems, Inc. will only accept devices returned in compliance with our Warranty Provisions and submitted with a Return Authorization Number issued by a Cardo authorized service department. The Company retains the right to return all shipments not in compliance with our Warranty Provisions.

16. Patent, Copyright, Trademark Information

U.S. and Worldwide Patent Pending;
©2004 Cardo Systems Inc.

Assembled in China.

Bluetooth™ is a trademark owned by Bluetooth™ SIG, Inc.,
scala-500™, VersaClip™ and WindGuard™
are each a trademark owned by Cardo Systems, Inc.

All rights reserved by Cardo Systems, Inc.
Cardo reserves all rights and explicitly prohibits any copying, dissemination, or other commercial use of the text and/or images or any part thereof contained in this manual, with the exception of end-users of the scala-500 headset for their own personal use, of authorized resellers and of journalists covering this product for media purposes.

17. State Law Rights

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts. Therefore depending on where you use the Headset, certain of the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may be entitled to other rights, which vary from state to state.

18. Definitions

BT	Bluetooth
LED	Light Indicator on the headset
CTRL	Control Button on the headset
MFW	Multi-Function Wheel on the headset

Need more help?

**Please visit our website at
www.cardowireless.com**